

CRYOVATION

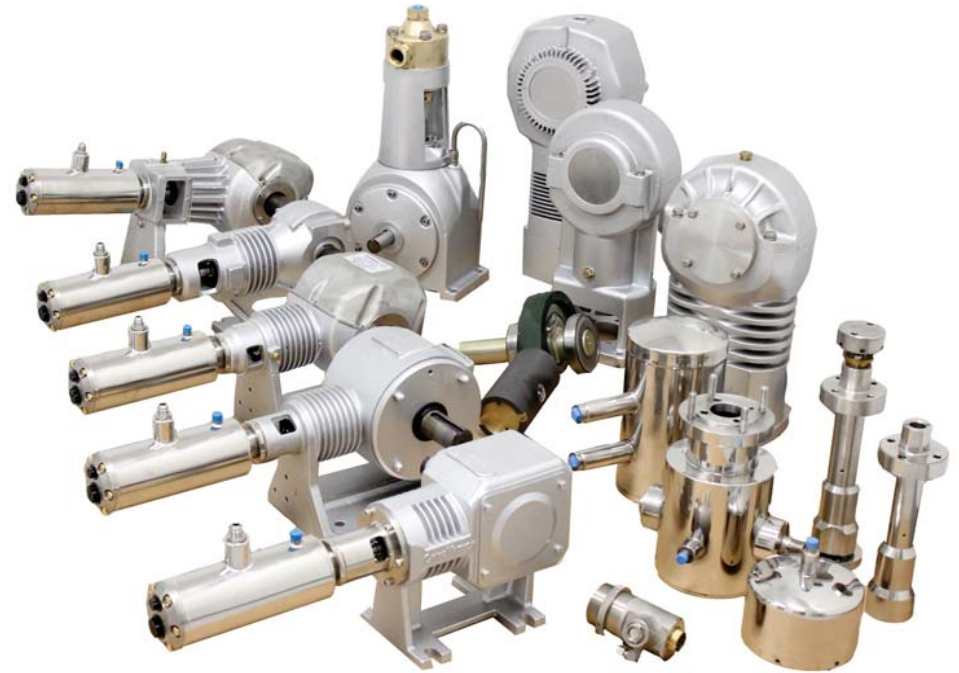
Your Pump Parts and Pump Exchange Resource

We manufacture and stock parts for all major makes and models of pumps, including:

- ▷ CryoVation - CV, WCP, W50
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- ▷ ACD - WDPD, DPD, NDPD, P2K
- ▷ Cryostar - SDPD, PD3000, LXR
- ▷ Cardox CO2

CRYOVATION

Pump Parts Catalog



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EXCHANGE PUMPS

W50

Part No. Cold Ends

0935-4893	DPD - 1.0"
0935-4892	DPD - 1.2"
0935-4893	CV / WCPH - 1.0"
0935-4892	WCPH & CV - 1.2"
0955-4980	NDPD / SDPD - 1.2"
0959-0100	WDPD - 1.2"
0919-1367	WCP 27C
0919-1368	WCP 27B
0919-1381	WCP 36B
0919-1382	WCP 45B
0944-7602	P1600
0945-0055	P1660
0944-7609	P1700
0945-0083	P1740 / P1760
0945-0088	P1800
0985-3085	PD3000 - 1.25"
0985-3086	PD3000 - 1.50"
0985-3087	PD3000 - 1.75"



Part No. CO2 Pumps

0965-8008	W50 DRIVE / HEAD ASSEMBLY
0965-8009	W50 SPACER
0965-8011	W50 DRIVE BASE ASSEMBLY
0965-8013	CARDOX DRIVE / HEAD ASSEMBLY
0965-8014	CARDOX SPACER

Part No. Drive Ends

0955-4353	DPD - 0.8" STROKE
0955-4354	DPD - 1.0" STROKE
0955-4355	DPD - 1.2" STROKE
0935-4332	CV / WCPH - 0.8" STROKE
0935-4333	CV / WCPH - 1.0" STROKE
0935-4334	CV / WCPH - 1.2" STROKE
0955-4981	NDPD - 1.26"
0955-5982	SDPD - 1.26"
0955-4970	NDPD / SDPD - CRANKSHAFT ASSEMBLY
0959-0101	WDPD - 1.2"
0919-1399	WCP "A"
0915-0823	WCP "A" CONNECTING ROD ASS'Y
0919-1420	WCP "B"
0915-0824	WCP "B" CONNECTING ROD ASS'Y
0919-1399	WCP "C"
0915-0825	WCP "C" CONNECTING ROD ASS'Y
0945-0104	P1600
0944-7610	P1700
0945-0310	P1700 CONNECTING ROD ASS'Y
0945-0089	P1800
0945-0300	P1800 CONNECTING ROD ASS'Y
0985-3047	PD2000
0985-3047	PD3000

Part No.

0965-0266	VALVE RETAINER, INLET
0965-1020	GASKET, COPPER
0965-1040	SUCTION/DISCH. VALVE
0965-0213	VALVE RETAINER, DISCH.
0961-1020	PLUG
0965-0209	SPACER
0965-0219	BUSHING
0965-0224	BOLT, 3/8"
0965-0226	LOCK WASHER, 3/8"
0965-0205	OIL SEAL
0965-0203	PACKING NUT
0965-0222	BOLT, 5/8"
0965-0223	WASHER, 5/8"
0965-1210	VENT TUBE ASSEMBLY
0965-0780	GASKET, SPACER
0965-0740	PISTON
0965-0212	SIDEPLATE
0965-0760	GASKET, SIDEPLATE
0965-0920	BEARING
0965-0900	CUP, BEARING
0965-0806	LOCK CLIP
0965-0805	LOCKNUT
0965-0231	RETAINING RING
0965-0810	CAM BEARING
0965-0825	CRANKSHAFT
0965-0233	Eccentric
0965-0232	Shaft
	Cad Plating
0935-4692	KEY, DRIVE
0965-0785	SEAL, DRIVE SHAFT
0965-0227	BOLT, 5/16"
0965-0228	WASHER, 5/16"
0965-1180	PACKING (set of 5)
0965-0211	HEAD
0965-0208	DRIVE HOUSING
0965-0217	SIGHT GLASS
0965-0621	O-RING, SUCTION/DISCH. VALVE

W50

1

2

COLD END - CV 1.0

DRIVE END - CV

Part No.	Ref. No.	
0935-4683	01196-1	CHAMBER ASSEMBLY
0935-4684	01463-1	SUCTION VALVE ASS'Y
0935-4660	10102-1	SPRING, DISCHARGE*
0935-4661	10171-1	LOCKNUT
0935-4662	10174-1	POPPET*
0935-4663	10175-1	GASKET, DISCHARGE*
0935-4681	35718-1	DISCHARGE FITTING
0935-4665	10438-1	PISTON RING*
0935-4666	10506-1	EXPANDER RING
0935-4667	11806-1	HAT SEAL*
0935-4668	11807-1	SPACER, HAT SEAL
0935-4669	11808-1	SPRING, BELLEVILLE
0935-4670	12917-1	SEAL RING
0935-4671	15874-1	RIDER RING*
0935-4734	15764-1	SPRING SEAT
0935-4673	16286-1	WEDGE SEAL*
0935-4674	16297-1	PACKING GLAND
0935-4675	16301-1	LANTERN RING
0935-4809	28185-2	PISTON
0935-4678	28186-1	PISTON ADAPTER
0935-4679	28187-1	SLEEVE
0935-4190	3534-375	SPRING PIN
0955-4274	84026	O-RING*
0955-4276	86002	SCRAPER*
0935-4686	85016	RETAINING RING
0935-4714	99005-106	SCREW, SUCTION VALVE
0935-4688	86407-001	SCREW, SHOULDER
0935-4747	S10116	SETScrew*
0935-4835	U1331-1	SUCTION ADAPTER
0935-4881	U16898-1	GASKET, SUCTION*
0935-4882	99002-053	SCREW, SUCTION PLATE
0935-4442	T23105-1	TOOL, COMPRESSION
0935-4676	27675-1	MINOR REPAIR KIT
0935-4677		MAJOR REPAIR KIT

Part No.	Ref.No.	
0935-4698	1036-1	KEY, DRIVE
0935-4700	1039-1	RETAINER, BEARING
0935-4701	1040-1	SPACER, BEARING
0935-4685	1042-2	SHAFT, 9"
0935-4703	1043-1	OUTER COVER, HOUSING
0935-4704	1043-3	INNER COVER, HOUSING
0935-4705	1044-1	INTERMEDIATE
0935-4894	4022-1	HOUSING
0935-4803	1038-1	END COVER
0935-4895	10762-2	INTERMEDIATE COVER
0935-4692	17008-1	KEY, ECCENTRIC
0935-4693	20981-2	ECCENTRIC, 0.8"
0935-4694	20981-4	ECCENTRIC, 1.0"
0935-4695	20981-6	ECCENTRIC, 1.2"
0935-4696	35984-1	CROSSHEAD ASSY
0935-4715	20969-1	CONNECTING ROD
0935-4716	20986-1	WRISTPIN
0935-4717	25791-1	THRUST WASHER
0935-4718	35985-1	CROSSHEAD
0935-3820	00724	BEARING, WRISTPIN (KRYTOX)
0935-3840	00725	BEARING, CON. ROD (KRYTOX)
0945-0175		GREASE FITTING
0935-3854	00763-380	BEARING, MAIN (KRYTOX)
0935-4260	06325	BUSHING, CROSSHEAD
0935-4507	87106-002	SEAL, BEARING
0935-4710	89867-045	EXCLUDER
0935-4708	86012	SCRAPER, CROSSHEAD
5124-2882		SCREW, END COVER
0935-4712	99002-062	BOLT, INTERMEDIATE
0935-4713	99002-0871	BOLT, SIDEPLATE
0935-4714	99002-090	SCREW, SHAFT
0935-4711	99000-0521	NUT, SIDEPLATE

CV

CV 1.2

Part No.	Ref. No.	
0935-4660	10102-1	SPRING, DISCHARGE*
0935-4661	10171-1	LOCKNUT
0935-4662	10174-1	POPPET*
0935-4663	10175-1	GASKET, DISCHARGE*
0935-4726	12976-1	PACKING SCREW
0935-4727	12978-2	HAT SEAL*
0935-4728	12979-1	SPACER, HAT SEAL
0935-4729	12979-2	SPACER, O-RING
0935-4730	12981-1	SPRING, BELLEVILLE
0935-4731	15738-1	CHAMBER ASS'Y
0935-4732	15756-3	SUCTION VALVE ASS'Y
0935-4733	15763-1	SPACER
0935-4734	15764-1	SPRING SEAT
0935-4735	15767-1	LANTERN RING
0935-4736	15796-1	GASKET, SUCTION VALVE*
0935-4737	15822-1	SCREW, SUCTION VALVE
0935-4738	16209-1	RIDER RING*
0935-4739	16272-1	PISTON
0935-4740	24959-1	PISTON RING*
0935-4742	24961-1	EXPANDER RING
0935-4743	25461-1	SLEEVE
0935-4681	35718-1	DISCHARGE FITTING
0935-4744	84028	O-RING*
0935-4746	86004	SCRAPER*
0935-4745	85017	RETAINING RING
0935-4747	99004-022	SET SCREW*
0935-4835	1331-1	SUCTION ADAPTER
0935-4881	16898-1	GASKET, SUCTION*
0935-4882	99002-053	SCREW, SUCTION PLATE
0935-4748	27674-1	MINOR REPAIR KIT
0935-4826	30262-1	SUCTION TUBE
0935-4441	T15061-1	TOOL, COMPRESSION

Part No.	Ref. No.	
0959-0070	CP0189	Housing
0959-0071	CP0192	Connecting Rod
0959-0072	CP2929	Crosshead
0959-0073	CP0194	Eccentric
0935-3840	52537-1	Bearing, Con-Rod
0959-0075	52536-1	Bearing, Wristpin
0955-4248	52538-1	Bearing, Main
0959-0077	CP0197	Pin, Con-Rod
0955-2026	87106-001	Nilos-Ring
0959-0079	CP0198	Retainer, Bearing
0959-0080	CP0200	Cover, Bearing, Blind Side
0959-0081	CP0219	Cover, Bearing, Shaft Side
0959-0082	CO0074	Spacer, Bearing
0959-0083	CP0233	Key
0959-0084	CP0234	Key
0959-0085	CP0196	Shaft
0935-4260	06325	Bushing, DU
0959-0087	CP0239	Washer, Thrust
0959-0088	86015-081	Screw
0959-0089	85046-003	Ring, Snap
0959-0090	87017-023	Oil Seal
0959-0091	03732-203	Pin, Spring
0959-0092	86015-080	Screw, Soc HD
0959-0093	86017-019	Washer, Lock
0959-0094	09211-003	Elbow, 90 Degree
0959-0095	CP0254	Cover, Intermediate
0959-0096	CP0253	Clamp, Hose
0959-0097	CP0255	Protective Shim
0959-0098	80152	O-Ring

WDPD

COLD END - WCP 27 "A"

DRIVE END - WCP "A"

WCP 27 "A"

Part No.

0945-0102	HOUSING, LIQUID END
0914-9180	LOCK WASHER, 1/2"
0915-0255	BOLT, 1/2" x 1.5"
0914-9420	BOLT, 1/4", NYLOK
0914-9140	LOCKWASHER, 1/4"
0914-7960	VALVE BODY
0914-7970	VALVE BODY, RELAP EXCHANGE
0914-8040	VALVE RETAINER
0915-0025	VALVE RETAINER, RELAP EXCHANGE
0914-9920	O-RING, TEFLON
0914-7860	FILTER SPACER, UPPER
0914-9960	O-RING, TEFLON
0914-7840	FILTER SPACER, LOWER
0915-0000	O-RING, TEFLON
0914-8060	FILTER
0914-7940	INLET VALVE PLATE
0914-7950	INLET VALVE PLATE, RELAP
0914-9220	DISCHARGE BALL, 1/2"
0914-7980	RIDER RING
0914-8000	PISTON RING
0914-7820	CYLINDER LINER, 1.25"
0945-0140	PUSHROD, 0.5", ROUNDED
0914-7920	PISTON, 1.25" DIA.
0944-8180	PUSHROD GUIDE
0944-8160	LOAD RING
0944-8140	PACKING RING
0944-8100	PACKING GLAND
0914-9400	BOLT, 1/4", NYLOK
5383-8260	LOCKNUT
0945-0160	BACK FERRULE
0945-0170	FRONT FERRULE
0914-9940	O-RING, TEFLON
0914-9820	LOCKWIRE
0919-1351	INTERNAL DISCHARGE TUBE
0945-0130	COUPLER, 0.5" COMPRESSION
0914-8780	LAMINATED SHIMS (Set)
0914-9340	WASHER, LOCK
0914-9320	BOLT, 3/8"x1.5"
0919-1450	MINOR REPAIR KIT
0944-8020	GRAPHOIL SPLIT RING
0919-1301	SUMP SEAL RING
0919-1355	INTERMEDIATE

WCP 27A Cold End has 1.25" diameter piston, 0.5" diameter, rounded end pushrod

Part No.

0914-8220	CRANKSHAFT
0914-8261	RETAINING PLATE, SHAFT SIDE
0914-8260	RETAINING PLATE, BLIND SIDE
0914-9460	MAIN BEARING (KRYTOX)
0914-9480	CON. ROD BEARING (KRYTOX)
0914-8360	WRISTPIN
0914-8320	CROSSHEAD
0914-9640	NEEDLE BEARING (KRYTOX)
0944-9440	BUSHING
0944-8460	RETAINING RING, SET OF 4
0919-1400	HOUSING
0914-8340	CONNECTING ROD
0914-9300	BOLT, 1/2"
0914-9820	LOCKWIRE
0914-9180	LOCKWASHER, 1/2"
0914-8280	WRISTPIN RETAINER
0914-8240	SPACER
0914-9360	BOLT, 1/4"
0914-9380	WASHER, 1/4", FLAT
0914-9680	BOLT, 1/2"
0914-9520	WASHER, 1/2", FLAT
0914-9540	NUT, 1/2", NYLOK
0914-9260	ROLLPIN
0914-8380	BUSHING, NOTCHED
0914-9660	GREASE FITTING
0914-9900	PLUG, LUBE ACCESS

WCP "A"

COLD END - WCP 27 "B"

DRIVE END - WCP "B"

WCP 27 "B"

WCP 27B Cold End has 1.25" diameter piston, 0.687" diameter, rounded end pushrod

Part No.	
0919-1339	HOUSING, LIQUID END
0914-9180	LOCK WASHER, 1/2"
0915-0255	BOLT, 1/2" x 1.5"
0914-9420	BOLT, 1/4", NYLOK
0914-9140	LOCKWASHER, 1/4"
0914-7960	VALVE BODY
0914-7970	VALVE BODY RELAP
0914-8040	VALVE RETAINER
0915-0025	VALVE RETAINER RELAP
0914-9920	O-RING, TEFLON
0914-7860	FILTER SPACER, UPPER
0914-9960	O-RING, TEFLON
0914-7840	FILTER SPACER, LOWER
0915-0000	O-RING, TEFLON
0914-8060	FILTER
0914-7940	INLET VALVE PLATE
0914-9220	BALL
0914-7980	RIDER RING
0914-8000	PISTON RING
0914-7820	CYLINDER LINER
0915-0180	PUSHROD (THREADED)
0914-7920	PISTON, 1.25" DIA.
0915-0220	PUSHROD GUIDE
0915-0210	LOAD RING
0915-0200	PACKING RING
0915-0190	PACKING GLAND
0914-9400	BOLT, 1/4", NYLOK
0915-0240	LOCKNUT
0914-9940	O-RING, TEFLON
0914-9820	LOCKWIRE
0919-1351	INTERNAL DISCHARGE TUBE
0915-0230	COUPLER
0914-8780	LAMINATED SHIMS (Set)
0914-9340	LOCKWASHER, 3/8"
0914-9320	BOLT, HEX, 3/8"
0914-8710	GRAPHOIL SPLIT RING
0919-1301	SUMP SEAL RING
0919-1386	MINOR REPAIR KIT
0919-1355	INTERMEDIATE

Part No.

0914-8220	CRANKSHAFT
0914-8261	RETAINING PLATE, SHAFT SIDE
0914-8260	RETAINING PLATE, BLIND SIDE
0914-9460	MAIN BEARING (KRYTOX)
0914-9480	CON. ROD BEARING (KRYTOX)
0914-8360	WRISTPIN
0914-8320	CROSSHEAD
0914-9640	NEEDLE BEARING (KRYTOX)
0919-1410	CROSSHEAD LINER
0914-9280	RETAINING RING
0919-1403	HOUSING
0914-8340	CONNECTING ROD
0914-9300	BOLT, 1/2"
0914-9820	LOCKWIRE
0914-9180	LOCKWASHER, 1/2"
0914-8280	WRISTPIN RETAINER
0914-8240	SPACER
0914-9360	BOLT, 1/4"
0914-9380	WASHER, 1/4", FLAT
0914-9680	BOLT, 1/2"
0914-9520	WASHER, 1/2", FLAT
0914-9540	NUT, 1/2", NYLOK
0914-9260	ROLLPIN
0914-9660	GREASE FITTING
0914-9900	PLUG, LUBE ACCESS

WCP "B"

COLD END - WCP 27 "C"

WCP 27 "C"

Part No.

0919-1339	HOUSING, LIQUID END
0914-9180	LOCK WASHER, 1/2"
0915-0255	BOLT, 1/2" x 1.5"
0914-9420	BOLT, 1/4" , NYLOK
0914-9140	LOCKWASHER, 1/4"
0914-7960	VALVE BODY
0914-7970	VALVE BODY, RELAP EXCHANGE
0914-8040	VALVE RETAINER
0915-0025	VALVE RETAINER, RELAP EXCHANGE
0914-9920	O-RING, TEFLON
0914-7860	FILTER SPACER, UPPER
0914-9960	O-RING, TEFLON
0914-7840	FILTER SPACER, LOWER
0915-0000	O-RING, TEFLON
0914-8060	FILTER
0914-7940	INLET VALVE PLATE
0914-7950	INLET VALVE PLATE, RELAP
0914-9220	DISCHARGE BALL, 1/2"
0914-7980	RIDER RING, 1.25" DIA.
0914-8000	PISTON RING
0914-7820	CYLINDER LINER, 1.25"
0919-1337	PUSHROD (ROUNDED)
0914-7920	PISTON, 1.25" DIA.
0915-0220	PUSHROD GUIDE
0915-0210	LOAD RING
0915-0200	PACKING RING
0915-0190	PACKING GLAND
0914-9400	BOLT, 1/4", NYLOK
5383-8260	LOCKNUT
0913-8395	BACK FERRULE
0913-8397	FRONT FERRULE
0914-9940	O-RING, TEFLON
0914-9820	LOCKWIRE
0919-1351	INTERNAL DISCHARGE TUBE
0919-1346	COUPLER, 0.687" COMPRESSION
0914-8780	LAMINATED SHIMS (Set)
0914-9340	WASHER, LOCK
0914-9320	BOLT, 3/8"x1.5"
0919-1386	MINOR REPAIR KIT
0914-8710	GRAPHOIL SPLIT RING
0919-1301	SUMP SEAL RING
0919-1355	INTERMEDIATE

WCP 27C Cold End has
1.25" diameter piston,
0.687" diameter, threaded
pushrod

DRIVE END - WCP "C"

Part No.

0945-0298	CRANKSHAFT
0919-1407	COVER PLATE, SHAFT
0919-1406	COVER PLATE, BLIND
0945-0115	MAIN BEARING (KRYTOX)
0945-0105	CON. ROD BEARING (KRYTOX)
0914-8360	WRISTPIN
0914-8320	CROSSHEAD
0914-9640	NEEDLE BEARING (KRYTOX)
0919-1410	CROSSHEAD LINER
0914-9280	RETAINING RING
0945-0079	HOUSING
0945-0299	CONNECTING ROD
0914-9150	BOLT, SOCKET HEAD, 3/8" x 1-1/4", S.S.
0914-9300	BOLT, HEX, 1/2" x 2"
0914-9820	LOCKWIRE
0914-9180	LOCKWASHER, 1/2"
0914-8280	WRISTPIN RETAINER
0945-0125	SEAL, SHAFT
0914-9360	BOLT, HEX, 1/4", DRILLED HEAD, S.S.
0914-9680	BOLT, 1/2" x 2-1/4"
0914-9520	WASHER, 1/2", FLAT
0914-9540	NUT, 1/2", NYLOK
0914-9260	ROLLPIN
0914-9120	GREASE FITTING, WRISTPIN
0945-0175	GREASE FITTING
0914-9900	PLUG, LUBE ACCESS
0945-0085	SNAP RING

WCP "C"

COLD END - WCP 36 "B"

WCP 36 "B"

WCP 36B Cold End has 1.50" diameter piston, 0.678" diameter, threaded pushrod



Part No.

0919-1340	HOUSING, LIQUID END
0914-9180	LOCK WASHER, 1/2"
0914-9300	BOLT, 1/2" x 2"
0914-9420	BOLT, 1/4" , NYLOK
0914-9140	LOCKWASHER, 1/4"
0915-0290	VALVE BODY
0919-1341	VALVE RETAINER
0914-9920	O-RING, TEFLON
0914-9960	O-RING, TEFLON
0915-0000	O-RING, TEFLON
0915-0281	FILTER
0915-0270	INLET VALVE PLATE
0914-9220	BALL
0915-0278	RIDER RING
0915-0279	PISTON RING
0915-0277	CYLINDER LINER
0915-0180	PUSHROD (THREADED)
0915-0282	PISTON
0915-0220	PUSHROD GUIDE
0915-0210	LOAD RING
0915-0200	PACKING RING
0915-0190	PACKING GLAND
0914-9400	BOLT, 1/4", NYLOK
0915-0240	LOCKNUT
0915-0055	O-RING, TEFLON
0914-9820	LOCKWIRE
0919-1351	INTERNAL DISCHARGE TUBE
0915-0230	COUPLER, PUSHROD
0914-8780	LAMINATED SHIMS (Set)
0914-9340	LOCKWASHER, 3/8"
0914-9320	BOLT, HEX, 3/8"
0919-1452	MINOR REPAIR KIT
0914-8710	GRAPHOIL SPLIT RING
0919-1301	SUMP SEAL RING
0919-1355	INTERMEDIATE

COLD END - WCP 45 "B"

Part No.

0919-1340	HOUSING, LIQUID END
0914-9180	LOCK WASHER, 1/2"
0914-9300	BOLT, 1/2" x 2"
0914-9420	BOLT, 1/4" , NYLOK
0914-9140	LOCKWASHER, 1/4"
0919-1343	VALVE BODY
0919-1342	VALVE RETAINER
0914-9920	O-RING, TEFLON
0915-0000	O-RING, TEFLON
0915-0000	O-RING, TEFLON
0915-0281	FILTER
0915-0270	INLET VALVE PLATE
0915-0284	BALL
0915-0260	RIDER RING
0915-0250	PISTON RING
0915-0280	CYLINDER LINER
0915-0180	PUSHROD
0915-0285	PISTON
0915-0220	PUSHROD GUIDE
0915-0210	LOAD RING
0915-0200	PACKING RING
0915-0190	PACKING GLAND
0914-9400	BOLT, 1/4", NYLOK
0915-0240	LOCKNUT
0915-0055	O-RING, TEFLON
0914-9820	LOCKWIRE
0919-1347	INTERNAL DISCHARGE TUBE
0915-0230	COUPLER
0914-8780	LAMINATED SHIMS (Set)
0919-1453	MINOR REPAIR KIT
0914-8710	GRAPHOIL SPLIT RING
0919-1301	SUMP SEAL RING
0919-1356	INTERMEDIATE

WCP 45 "B"

WCP 45B Cold End has 1.75" diameter piston, 0.678" diameter, threaded pushrod

COLD END - P1600

DRIVE END - P1600

P1600

P1600-1002 Cold End has 1.25" diameter piston, 0.50" diameter, threaded end pushrod

Part No.	Ref. No.	
0944-7880	P1600-1117	HOUSING, LIQUID END
0914-9180	S10017	LOCK WASHER, 1/2"
0915-0255	S10054	BOLT, 1/2" x 1.5"
0914-9420	S10078	BOLT, 1/4" , NYLOK
0914-9140	S10014	LOCKWASHER, 1/4"
0914-7960	P1600-1307	VALVE BODY
0914-8040	P1600-1906	VALVE RETAINER
0914-9920	S12003	O-RING, TEFLON
0914-7860	P1600-1116	FILTER SPACER, UPPER
0914-9960	S12005	O-RING, TEFLON
0914-7840	P1600-1115	FILTER SPACER, LOWER
0915-0000	S12008	O-RING, TEFLON
0914-8060	P1600-1907	FILTER
0914-7940	P1600-1306	INLET VALVE PLATE
0914-9220	S10039	BALL
0914-7980	P1600-1602	RIDER RING
0914-8000	P1600-1605	PISTON RING
0914-7820	P1600-1106	CYLINDER LINER
0944-7900	P1600-1201	PUSHROD
0914-7920	P1600-1204	PISTON, 1.25" DIA.
0944-8180	P1600-2105	PUSHROD GUIDE
0944-8160	P1600-2104	LOAD RING
0944-8140	P1600-1201	PACKING RING
0944-8100	P1600-2101	PACKING GLAND
0914-9400	S10077	BOLT, 1/4", NYLOK
0944-9200	S10032	LOCKNUT
0914-9940	S12004	O-RING, TEFLON
0914-9820	S10157	LOCKWIRE
0944-8080	P1600-1911	INTERNAL DISCH. TUBE
0944-8480	P1600-5505	COUPLER, 1/2" THREAD
0914-8780	P2000-025	LAMINATED SHIMS (Set)
0914-9340		WASHER, LOCK
0914-9320		BOLT
0944-8020	P1600-1610	GRAFOIL SPLIT RING, 1/2"
0944-8500	P1600-8106	EXTERNAL DISCHARGE TUBE ASSY
0945-0020	P1600-8110	DISCHARGE GASKET
0944-9980	S12006	GASKET, SUMP
0945-0043		MINOR REPAIR KIT

Part No. Ref. No.

0914-8220	P1600-5305	CRANKSHAFT
0914-9280	S10047	RETAINING RING
0914-8260	P1600-5309	RETAINING PLATE
0914-9460	S10087	MAIN BEARING (KRYTOX)
0914-9480	S10088	CON. ROD BEARING (KRYTOX)
0944-8300	P1600-5314	WRISTPIN
0914-8320	P1600-5315	CROSSHEAD
0945-0245	S10085	NEEDLE BEARING (KRYTOX)
0944-9440	S10083	BUSHING
0944-8460	P1600-5502	RETAINING RING, SET OF 4
	P1600-5310	HOUSING
0945-0110	P1600-5311	CONNECTING ROD, P1600
0914-9300		BOLT, 1/2"
0914-9820	S10157	LOCKWIRE
0914-9180		LOCKWASHER, 1/2"
0914-8280	P1600-5312	WRISTPIN RETAINER
0914-8240		SPACER
0914-9360	S10057	BOLT, 1/4"
0914-9380		WASHER, 1/4", FLAT
0944-9680		BOLT, 1/2"
0914-9520		WASHER, 1/2", FLAT
0914-9540		NUT, 1/2", NYLOK
0914-9260	S10046	ROLLPIN

P1600

COLD END - P1660

P1660

P1660-1002 Cold End has 1.25" diameter piston, 0.687" diameter, threaded pushrod

Part No.	Ref. No.	
0944-7880	P1600-1117	HOUSING, LIQUID END
0914-9180	S10017	LOCK WASHER, 1/2"
0915-0255	S10054	BOLT, 1/2" x 1.5"
0914-9420	S10078	BOLT, 1/4", NYLOK
0914-9140	S10014	LOCKWASHER, 1/4"
0914-7960	P1600-1307	VALVE BODY
0914-8040	P1600-1906	VALVE RETAINER
0914-9920	S12003	O-RING, TEFLON
0914-7860	P1600-1116	FILTER SPACER, UPPER
0914-9960	S12005	O-RING, TEFLON
0914-7840	P1600-1115	FILTER SPACER, LOWER
0915-0000	S12008	O-RING, TEFLON
0914-8060	P1600-1907	FILTER
0914-7940	P1600-1306	INLET VALVE PLATE
0914-9220	S10039	BALL
0914-7980	P1600-1602	RIDER RING
0914-8000	P1600-1605	PISTON RING
0914-7820	P1600-1106	CYLINDER LINER
0944-7900	P1600-1201	PUSHROD
0914-7920	P1600-1204	PISTON, 1.25" DIA.
0944-8180	P1600-2105	PUSHROD GUIDE
0944-8160	P1600-2104	LOAD RING
0944-8140	P1600-1201	PACKING RING
0944-8100	P1600-2101	PACKING GLAND
0914-9400	S10077	BOLT, 1/4", NYLOK
0944-9200	S10032	LOCKNUT
0914-9940	S12004	O-RING, TEFLON
0914-9820	S10157	LOCKWIRE
0944-8080	P1600-1911	INTERNAL DISCH. TUBE
0944-8480	P1600-5505	COUPLER, 1/2" THREAD
0914-8780	P2000-025	LAMINATED SHIMS (Set)
0914-9340		WASHER, LOCK
0914-9320		BOLT
0944-8020	P1600-1610	GRAFOIL SPLIT RING, 1/2"
0944-8500	P1600-8106	EXTERNAL DISCHARGE TUBE ASS'Y
0945-0020	P1600-8110	DISCHARGE GASKET
0944-9980	S12006	GASKET, SUMP
0945-0043		MINOR REPAIR KIT

COLD END - P1740

P1740

P1740 Cold End has 1.50" diameter piston, 0.687" diameter, threaded pushrod

Part No.	Ref. No.	
0945-0276	P1700-2009	HOUSING, LIQUID END
0914-9340	S10056	LOCK WASHER, 3/8
0914-9320	S10055	BOLT, 3/8 x 1.5
0914-9420	S10078	BOLT, 1/4", NYLOK
0914-9140	S10014	LOCKWASHER, 1/4"
0945-0020	S12010	SEAL, DISCHARGE
0914-7960	P1600-1307	VALVE BODY
0945-0275	P1700-2008	VALVE RETAINER
0945-0274		VALVE RETAINER PLATE, 7/16" bolt holes
0914-9920	S12003	O-RING, TEFLON
0914-9960	S12005	O-RING, TEFLON
0915-0000	S12008	O-RING, TEFLON
0915-0281	P1700-2011	FILTER
0915-0270	P1700-2003	INLET VALVE PLATE
0914-9220	S10039	BALL
0915-0278	P1700-2015	RIDER RING
0915-0279	P1700-2015	PISTON RING
0915-0277	P1700-2016	CYLINDER LINER
0915-0180	P1660-1201	PUSHROD (THREADED)
0915-0282	P1700-2013	PISTON
0915-0220	P1660-2105	PUSHROD GUIDE
0915-0210	P1660-2104	LOAD RING
0915-0200	P1660-2103	PACKING RING
0915-0190	P1660-2101	PACKING GLAND
0914-9400	S10077	BOLT, 1/4", NYLOK
0915-0240	P1660-8113	LOCKNUT
0915-0055	S12012	O-RING, TEFLON
0914-9820	S10157	LOCKWIRE
0944-8080	P1600-1911	INTERNAL DISCH. TUBE
0915-0230	P1660-5505	COUPLER, PUSHROD
0914-8780	P2000-025	LAMINATED SHIMS (Set)
0914-9340	S10056	LOCKWASHER, 3/8"
0914-9320	S10055	BOLT, HEX, 3/8"
0944-9980	S12006	GASKET, SUMP
0914-8710	P1600-1610	GRAFOIL SPLIT RING
0945-0073		MINOR REPAIR KIT

DRIVE END - P1700

	Part No.	Ref. No.	
P1700	0914-8220	P1600-5305	CRANKSHAFT
	0914-9280	S10047	RETAINING RING
	0914-8260	P1600-5309	RETAINING PLATE
	0914-9460	S10087	MAIN BEARING (KRYTOX)
	0914-9480	S10088	CON. ROD BEARING (KRYTOX)
	0914-8360	P1600-5317	WRISTPIN
	0914-8320	P1600-5315	CROSSHEAD
	0914-9640	S10117	NEEDLE BEARING (KRYTOX)
	0944-9440	S10083	BUSHING
	0944-8460	P1600-5502	RETAINING RING, SET OF 4
	0919-1400	P1700-5318	HOUSING
	0914-8340	P1600-5316	CONNECTING ROD
	0914-9300	S10050	BOLT, 1/2"
	0914-9820	S10157	LOCKWIRE
	0914-9180	S10017	LOCKWASHER, 1/2"
	0914-8280	P1600-5312	WRISTPIN RETAINER
	0914-8240	P1600-5308	SPACER
	0914-9360	S10057	BOLT, 1/4"
	0914-9380	S10058	WASHER, 1/4", FLAT
	0914-9680	S10130	BOLT, 1/2"
	0914-9520	S10092	WASHER, 1/2", FLAT
	0914-9540	S10093	NUT, 1/2", NYLOK
	0914-9260	S10046	ROLLPIN
	0914-8380	P1600-5319	BUSHING, NOTCHED
	0914-9660	S10118	GREASE FITTING
	0914-9900	S10574	PLUG
	S10573	GREASE FITTING	

DRIVE END - P1800

	Part No.	Ref. No.	
P1800	0945-0298	P1800-5333	CRANKSHAFT
	0919-1407	P1800-5331	COVER PLATE, SHAFT
	0919-1406	P1800-5332	COVER PLATE, BLIND
	0945-0115	S10823	MAIN BEARING (KRYTOX)
	0945-0105	S10824	CON. ROD BEARING (KRYTOX)
	0945-0061	P1800-5335	WRISTPIN
	0944-7700	P1800-5336	CROSSHEAD
	0945-0095	S10825	NEEDLE BEARING (KRYTOX)
	0919-1410	P1600-5338	CROSSHEAD LINER
	0944-8460	P1600-5502	RETAINING RING, SET OF 4
	0945-0079		HOUSING
	0945-0299		CONNECTING ROD
	0914-9150	S10055	BOLT, SOCKET HEAD, 3/8" x 1-1/4", S.S.
	0914-9300	S10050	BOLT, HEX, 1/2" x 2"
	0914-9820	S10157	LOCKWIRE
	0914-9180	S10051	LOCKWASHER, 1/2"
	0914-8280	P1600-5312	WRISTPIN RETAINER
	0945-0125	S10822	SEAL, SHAFT
	0914-9360	S10057	BOLT, HEX, 1/4", DRILLED HEAD, S.S.
	0914-9680	S10130	BOLT, 1/2" x 2-1/4"
	0914-9520		WASHER, 1/2", FLAT
	0914-9540		NUT, 1/2", NYLOK
	0914-9260	S10046	ROLLPIN
	0914-9120		GREASE FITTING
	0945-0175		GREASE FITTING
	0914-9900	P1800-5340	PLUG, LUBE ACCESS
0945-0085	S10827	SNAP RING	

COLD END - SDPD

DRIVE END - SDPD

SDPD

Part No.	Ref. No.	
0935-4661	740002750	LOCKNUT
0955-4900	740022186	POPPET
0935-4663	740105305	GASKET, DISCHARGE
0935-4726	760021884	PACKING SCREW
0935-4727	740023273	HAT SEAL
0935-4728	740002068	SPACER, HAT SEAL
0935-4729	740002164	SPACER, O-RING
0935-4730	740002069	SPRING, BELLEVILLE
0935-4731	760150540	CHAMBER ASS'Y
0955-2052	760020197	SUCTION VALVE ASS'Y
0935-4733	740024347	SPACER
0935-4735	740002078	LANTERN RING
0935-4736	740002082	GASKET, SUCTION VALVE
0935-4737	730002083	SCREW, SUCTION VALVE
0935-4738	740002071	RIDER RING
0935-4739	740002072	PISTON
0935-4757	760002066	PISTON RING / EXPANDER RING SET
0935-4743	740002163	SLEEVE
0955-3845	740150472	DISCHARGE FITTING
0935-4744	730002086	O-RING
0935-4746	768002085	SCRAPER
0935-4745	730002084	RETAINING RING
0935-4747	730002087	SET SCREW
0955-4287	04054-1	SUCTION ADAPTOR
0955-2051	730010738	SPIRAL WOUND GASKET
0955-4916		MINOR REPAIR KIT

SDPD

Part No.	Ref. No.	
0955-2000	740020922	Cap
0955-2001	730010319	Allen head cap screw
0955-2002	730010361	Lock washer
0955-2003	730000166	Allen head cap screw
0955-2004	730000153	Lock washer
0955-2250	740021256	Connecting rod
0955-2310	760024426	Casing
0955-2006	791474789	Plug
0935-4718		Crosshead (standard)
0955-2007	72RA86003	Round Bar
0955-2008	740002034	Cap screw
0955-2009	730010805	Slotted countersunk head screw
0955-2010	740023848	Sight glass
0956-3180	740003022	Key
0955-2012	730001181	Spring type straight pin
0955-4246	740021216	Crankshaft
0955-2013	730001150	Circlip
0955-2014	740020920	Support
0955-2015	730010373	Washer special
0955-2016	768021243	Cover, blind side
0955-4248	730010405	Cylindrical roller bearing
0955-2017	740021244	Bearing retainer
0955-2018	730001143	Hexagon head screw
0955-2019	730002188	Lock washer
0935-3840	730001089	Con Rod bearing
0955-2603	730010370	Retainer ring
0955-4252	730002584	Spherical roller bearing
0955-4876	730010362	Shaft seal
0955-2020	768020935	Cover, shaft side
0955-2021	730000227	Allen head screw
0955-2022	730000049	Lock washer
0935-3820	730001088	Needle bearing
0935-4717	740001091	Thrust washer
0935-4716	740001092	Wristpin
0955-2023	730000783	Washer
0955-2024	730000782	Fitting
0955-2025	730000784	Plug
0935-4507	730010371	Nilos ring, blind side
0955-2026	730010372	Nilos ring, shaft side
0955-2027	730010839	Porous washer
0955-2028	730010317	Set screw
0955-2029	730000166	Hexagon socket head cap screw
0955-2030	730010143	Washer
0935-4260	730002333	DU Bushing

COLD END - NDPD

NDPD

Part No.	Ref. No.	
0935-4732	46920-1	SUCTION VALVE ASSY
0935-4736	15796-1	GASKET, SUCTION VALVE*
0935-4743	25461-1	SLEEVE
0935-4731	46053-2	CHAMBER ASS'Y
0935-4663	010175-1	GASKET, DISCHARGE
0955-4900	46842-1	POPPET*
0955-3845	46883-1	DISCHARGE FITTING
0936-5450		CAP, PUMP-OUT
0936-5349		PLUG, PUMP-OUT
0955-4765	84006	O-RING, PUMP-OUT
0935-4661	10171-1	LOCKNUT
0935-4735	15767-1	LANTERN RING
0935-4730	48783-3	SPRING, BELLEVILLE
0935-4739	16272-1	PISTON
0935-4747	99004-022	SET SCREW*
0935-4738	16209-1	RIDER RING*
0935-4860	24959-1	PISTON RING*
0935-4757	24960-1	PISTON RING / EXPANDER RING
0935-4742	24961-1	EXPANDER RING
0935-4728	12979-1	SPACER, HAT SEAL
0935-4727	12978-2	HAT SEAL
0935-4733	15763-1	SPACER
0935-4744	84028	O-RING
0935-4729	12979-2	SPACER, O-RING
0935-4726	12976-1	PACKING SCREW
0935-4746	86004	SCRAPER
0935-4745	85017	RETAINING RING
0935-4835	1331-1	SUCTION ADAPTER
0935-4881	16898-1	GASKET, SUCTION
0955-4910		NDPD 1.2" COLD END SEAL KIT

DRIVE END - NDPD

NDPD

Part No.	Ref. No.	
0955-2000	47461-1	COVER, HOUSING
0955-2001	86015-065	SCREW CAP
0955-2002	86017-028	WASHER, LOCK
0955-2003	86015-064	SCREW, COVER
0955-2004	86017-026	WASHER, LOCK
0955-2250	45167-1	CONNECTING ROD
0955-2310	45168-1/ 47462-1	DRIVE HOUSING
0935-4260	06325	BUSHING
0935-4718	35985-1	CROSSHEAD
0955-2007	00691-007	GASKET, HOUSING COVER
0955-2007	87911-002	SEALANT COMPOUND GASKET
0955-2008	01401-001	PLUG, METRIC
0955-2009	09630-56	CLAMP HOSE
0955-2060	45170-1	COVER INTERMEDIATE
0956-3180	09061-002	KEY SHAFT 1/2" x 3/8"
0955-2012	09931-022	SPRING PIN
0955-4246	45172-1	CRANKSHAFT 1.25 STROKE
0956-3175	46873-1	CRANKSHAFT 1.00 STROKE
0955-2013	85039-002	RING, RETAINING
0955-4875	47463-1	BEARING CARRIER
0955-2015	47468-1/45629-1	SPACER, BEARING
0956-3182	47464-1/45174-1	COVER, BLIND SIDE
0955-4248	00988-002	BEARING, MAIN, BLIND (modified)
0955-4877	45176-1/47466-1	BEARING RETAINER, END
0935-4747	09931-022	SET SCREW
0935-3840	00725	BEARING, ROLLER, CON-ROD
0955-2603	85046-002	RETAINING RING
0955-4252	00766-005	BEARING, MAIN, SHAFT
0955-4876	87002-001	SEAL, SHAFT
0956-3184	45177-1/47467-1	COVER, SHAFT SIDE
0955-2021	85016-056	CAP SCREW 1/4"x 3/4"
0955-2022	86017-027	WASHER, LOCK
0935-3820	00724	NEEDLE BEARING
0935-4717	25791-1	THRUST WASHER
0935-4716	47463-3	WRISTPIN
0955-2023	86017-022	WASHER, COPPER
0955-2024	01402-001	CONNECTOR
0955-2025	01403-001	CONNECTOR CAP
0935-4507	87106-002	BEARING SHIELD
0955-2026	87106-001	BEARING SHIELD
0935-3852	00049	FITTING, GREASE
0955-4911		MAJOR OVERHAUL KIT

P2K

Part No.	Ref. No.	
0985-3061	87145-083	Seal, Rod
0985-3023	84133-001	O-Ring, Seal Housing
0985-3025	82242	O-Ring, Extension Spool
0985-4053	87145-092	Seal, Intermediate
0985-3040	56363-1	Wear Ring 1-3/4" Bore
0985-3045	56359-1	Seal Ring 1-3/4" Bore
0985-4054	56391-1	Expander Ring, 1-3/4" Bore
0985-3018	85002-003	Snap Ring (for pushrod seals)
0985-3097	56418-1	Inlet Valve Assembly
0985-3099	56427-1	Seal, Ring
0985-3035	56419-1	Inlet Valve Nut
0985-4055	56834-1	Poppet, Discharge
0985-4056	09434-085	Spring, Discharge
0985-4057	87145-081	Seal, Discharge
0985-3067	56414-1	Pushrod
0985-3039	56364-1	Piston 1-3/4" Bore
0985-3068	89857-703	Dirt Seal (Crankshaft)
0985-3022	82047	Bearing Cover O-Ring
0945-0115	S10823	Main Bearing
0945-0105	S10824	Center Bearing
0985-3007	56537-1	Needle Bearing
0985-3059	56439-1	Wrist Pin
0985-4058	87017-026	Seal, Wristpin
0985-3055	56436-1	Crosshead Piston
0985-3058	56438-1	Crosshead Wear Band
0985-3053	56434-1	Con-Rod
0985-3084		Minor Kit

DPD

Part No.	Ref. No.	
0935-4698	01036-1	KEY, DRIVE
0955-2312	89867-615	EXCLUDER
0935-4711	99000-011	NUT, CAP
0955-2303	025308-1	END COVER, SHAFT SIDE
0955-4252	00760-210	BEARING, PULLEY SIDE
0955-4873	32231-1	SHIELD
0955-2321	32165-1	BEARING RETAINER
0955-2322	99001-027	WASHER
0955-2323	99002-019	BOLT
0955-4863	36017-2	SHAFT
0935-4692	017008-1	KEY, ECCENTRIC
0935-4693	020981-2	ECCENTRIC, .8
0935-4694	020981-4	ECCENTRIC, 1.0
0935-4695	020981-6	ECCENTRIC, 1.2
0955-4839	34471-1	SPACER
0955-2344	25305-50	TIE ROD
0955-2302	25309-1	END COVER, OUTSIDE
0944-7810	34473-1	DRIVE HOUSING
0955-4833	30225-2	BEARING, ROLLER, SHIELDED
0935-4260	6325	BUSHING, CROSSHEAD
0935-4718	035985-1	CROSSHEAD
0935-4716	020986-1	WRISTPIN
0935-4717	025791-1	THRUST WASHER
0935-3820	00724	BEARING, WRISTPIN (KRYTOX)
0935-4715	U20969-1	CONNECTING ROD
0935-4754	99000-038	NUT, HEX
0955-2402	99001-022	LOCK WASHER
0935-3840	00725	BEARING, CON. ROD (KRYTOX)
0955-4575	9613	SPRING CLIP
0955-4670	22693-1	COVER
0955-4576	99001-145	WASHER, FLAT
0955-4577	99005-936	SCREW, ROUND HEAD
0955-4578	99004-031	SET SCREW
0935-4708	86012	SCRAPER
0935-4803	01038-1	COVER, INTERMEDIATE
0935-4696	U35984-1	CROSSHEAD ASSY

DRIVE END - PD2000

DRIVE END - PD3000

Part No.	Ref. No.	1"	PD2000
0985-3027	30-5052-00009	Pushrod Gas Seals	
0985-3023	30-0000-15132	Seal Housing O-Ring	
0985-3025	30-0000-15242	Extension Spool O-ring	
0985-3024	30-0000-15163	Sump O-Ring	
0985-3121	51-2533-07010	Wear Ring 1" Bore	
0985-3122	51-2533-07110	Seal Ring 1" Bore	
0985-3135	19-9500-01135	Snap Ring (for pushrod seals)	
0985-3093	51-2533-02250	Inlet Valve Assembly	
0985-3125	51-2533-02188	Inlet Valve Nut	
0985-3110	51-2533-02096	Discharge Valve Assembly	
0985-3130	51-2533-20030	Pushrod	
0985-3126	51-2533-02183	Piston 1" Bore	
0985-3068	51-2533-30980	Dirt Seal (Crankshaft)	
0985-3022	30-0000-15047	Bearing Cover O-Ring	
0945-0115	05-6135-02076	Main Bearing	
0945-0105	05-6135-02052	Center Bearing	
0985-3007	05-6135-02001	Needle Bearing	
0985-3059	51-2533-30872	Wrist Pin	
0985-3055	51-2533-30868	Crosshead Piston	
0985-3058	51-2533-30871	Crosshead Wear Band	
0985-3053	51-2533-30863	Con-Rod	
0985-3084		Minor Kit	

1-1/4"		
0985-3129	51-2533-07012	Wear Ring 1-1/4" Bore
0985-3128	51-2533-07112	Seal Ring 1-1/4" Bore
0985-3127	51-2533-20012	Piston 1-1/4" Bore
0985-3031		Minor kit

Part No.	Ref. No.	1-3/4"	PD3000
0985-3061	51-2533-30889	Pushrod Gas Seals	
0985-3023	30-0000-15132	Seal Housing O-Ring	
0985-3025	30-0000-15242	Extension Spool O-ring	
0985-3024	30-0000-15163	Sump O-Ring	
0985-3040	51-2533-07017	Wear Ring 1-3/4" Bore	
0985-3045	51-2533-07117	Seal Ring 1-3/4" Bore	
0985-3018	19-9500-01405	Snap Ring (for pushrod seals)	
0985-3097	51-2533-03827	Inlet Valve Ass'ly (ACD 46247-1)	
0985-3035	51-2533-02245	Inlet Valve Nut	
0985-3067	51-2533-30951	Pushrod	
0985-3039	51-2533-05084	Piston 1-3/4" Bore	
0985-3068	51-2533-30980	Dirt Seal (Crankshaft)	
0985-3022	30-0000-15047	Bearing Cover O-Ring	
0945-0115	05-6135-02076	Main Bearing	
0945-0105	05-6135-02052	Center Bearing	
0985-3007	05-6135-02001	Needle Bearing	
0985-3059	51-2533-30872	Wrist Pin	
0985-3055	51-2533-30868	Crosshead Piston	
0985-3058	51-2533-30871	Crosshead Wear Band	
0985-3053	51-2533-30863	Con-Rod	
0985-3090	51-2533-07105	Discharge Tube Ass'y, Fittings	
0985-3084		Minor Kit - 1 3/4"	

1-1/2"		
0985-3043	51-2533-07015	Wear Ring 1-1/2" Bore
0985-3044	51-2533-07115	Seal Ring 1-1/2" Bore
0985-3033	51-2533-02231	Piston 1-1/2" Bore